

CORDSET BASED APPLIANCE CONTROLLER

ABSTRACT OF THE DISCLOSURE

5 An apparatus and method for distributed control of an electrical appliance having a plug and a
load and two power carrying conductors connecting the plug to the load, comprising locating power
control elements completely within the plug, connecting interface elements to the two power carrying
conductors, which interface elements are not within the plug, and transmitting status information from
the interface elements to the power control elements by imposition of electrical signals onto the two
power carrying conductors, wherein the electrical signals comprise an adjustable duration deadzone at
10 a zero crossing of a sinusoidal excitation.